

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A storage medium comprising program components which are executable through a common application program interface ~~and are utilizable by a developer to write programming instructions~~, wherein the program components comprise:

a first program component having coding directives which are utilizable by a developer to write program instructions that are executable by a processor for adaptively navigating through one or more websites; ~~and~~

one or more additional program components having coding directives which are utilizable by a developer to write program instructions that are executable by a processor for:

extracting scripted content from the one or more websites; and

storing the extracted scripted content at a target location.

2. (Currently Amended) The storage medium of claim 1, wherein the coding directives of the first program component ~~comprises coding directives which are utilizable by the a developer to write program instructions~~ that are executable by a processor for conditionally navigating through the one or more websites.

3. (Currently Amended) The storage medium of claim 1, wherein the coding directives of the first program component ~~comprises coding directives which are utilizable by the a developer to write program instructions~~ that are executable by a processor for facilitating navigation through the one or more websites.

4. (Currently Amended) The storage medium of claim 3, wherein the coding directives of the first program component are utilizable by the developer to selectively write the program instructions associated with facilitated navigation for specific timeframes.

5. (Currently Amended) The storage medium of claim 1, wherein the coding directives of the one or more additional program components ~~is~~ are further utilizable by a developer to write program instructions that are executable by a processor for extracting unscripted content from the one or more websites.

6. (Currently Amended) The storage medium of claim 5, wherein the coding directives of the one or more additional program components are further utilizable by a developer to write program instructions that are executable by a processor ~~comprise a second program component~~ for standardizing the scripted and unscripted content.

7. (Currently Amended) The storage medium of claim 5, wherein the coding directives of the one or more additional program components ~~comprise a second program component with coding directives which are~~ further utilizable by the a developer to write program instructions that are executable by a processor for generating a model of logical structure of the scripted and unscripted content.

8. (Currently Amended) The storage medium of claim 7, wherein the coding directives of the one or more additional program components ~~comprise a third program component with coding directives which are~~ further utilizable by the a developer to write program instructions that are executable by a processor for searching for information within the model of logical structure.

9. (Currently Amended) The storage medium of claim 8, wherein the coding directives of the one or more additional ~~second~~ program components are further utilizable by a developer to write ~~comprise~~ program instructions that are executable by a processor which index web page content to increase the rate at which information is searched for within the model of logical structure.

10. (Previously Presented) The storage medium of claim 1, further comprising a means for interpreting different scripting languages.

11. (Currently Amended) The storage medium of claim 10, wherein the coding directives of the first program component~~comprise coding directives~~ are further utilizable by a developer to write program instructions that are executable by a processor for:

recognizing a scripting language embedded within the one or more websites; and

executing the embedded scripting language using said means.

12. (Currently Amended) The storage medium of claim 10, wherein the means for interpreting different scripting languages is configured to allow ~~the~~ a developer to select a scripting language from a plurality of scripting languages with which to develop the program instructions.

13. (Currently Amended) The storage medium of claim 1, wherein the coding directives of the first program component ~~is~~ are further ~~utilizable by a developer to write program instructions~~ that are executable by a processor for accessing data other than what may be configured to be displayed on a browser as characterized by a structural layout of an accessed website.

14. (Currently Amended) The storage medium of claim 1, wherein the coding directives of the one or more program components~~comprise coding directives~~ are further ~~utilizable by a developer to write program instructions~~ that are executable by a processor for posting data on the one or more websites.

15. (Currently Amended) The storage medium of claim 1, wherein the coding directives of the first program components ~~component~~ ~~comprise coding directives~~ and one or more additional program components are utilizable by a developer to write event driven program instructions.

16. (Currently Amended) A storage medium comprising coding directives which are utilizable by a developer for writing program instructions that are executable by a processor with which to standardize content on a web page.

17. (Currently Amended) The storage medium of claim 16, wherein the coding directives are utilizable by the developer for writing program instructions that are executable by a processor with which to convert web content of non-standardized format on the web page into ~~a well-~~
~~formed~~ extensible markup language format.

18. (Currently Amended) The storage medium of claim 16, wherein the coding directives are utilizable by the developer for writing program instructions that are executable by a processor with which to standardize spaces within the web page content.

19. (Currently Amended) The storage medium of claim 16, further comprising another set of coding directives utilizable by the developer for writing program instructions that are executable by a processor with which to:

generate a model of logical structure of the content on the web page; and

search the model of logical structure for information of interest.

20. (Currently Amended) The storage medium of claim 16, further comprising another set of program instructions utilizable by the developer for writing program instructions that are executable by a processor with which to automatically navigate through the web page.

21. (Currently Amended) A storage medium comprising a first set of coding directives utilizable by a developer to write programming instructions that are executable by a processor which reference XPath query language.

22. (Currently Amended) The storage medium of claim 21, further comprising a second set of coding directives utilizable by the developer to write programming instructions that are executable by a processor for generating a model of logical structure of content from one or more websites, wherein the first set of coding directives is utilizable by the developer to write programming instructions that are executable by a processor for searching for information of interest within the model of logical structure using the XPath query language.

23. (Currently Amended) The storage medium of claim 22, wherein the second set of coding directives are further utilizable by the developer to write programming instructions that are executable by a processor for standardizing content on the one or more websites.

24. (Currently Amended) The storage medium of claim ~~20~~ 22, further comprising a third set of coding directives utilizable by the developer to write programming instructions that are executable by a processor for navigating through the one or more websites.

25. (Currently Amended) A storage medium comprising program instructions executable using a processor for:

navigating through a website to access information;

parsing the accessed information into a model of logical structure;

executing a scripting language embedded within the website such that information corresponding to the scripting language can be parsed into the model of logical structure; ~~and~~

searching for content within the model of logical structure;

extracting, independent of user intervention, the searched content from the one or more websites; and

storing, independent of user intervention, the extracted content at a target location.

26. (Original) The storage medium of claim 25, wherein the program instructions are further for accessing the website without a user interface.

27. (Currently Amended) The storage medium of claim 26, wherein the program instructions are further for mimicking a browser authorized to access the website, and wherein the program instructions for executing the scripting language comprise program instructions for executing the scripting language at a browser level of the website.

28. (Canceled)

29. (Currently Amended) The storage medium of claim-~~28~~ 25, wherein the target location is a text file.

30. (Currently Amended) The storage medium of claim-~~28~~ 25, wherein the target location is a database.

31. (Currently Amended) The storage medium of claim-~~28~~ 25, wherein the program instructions are further for simultaneously processing multiple requests to extract content from one or more web pages.

32. (Currently Amended) The ~~computer-implemented method~~ storage medium of claim 25, wherein the program instructions are further for posting data upon the website.

33. (Currently Amended) The ~~computer-implemented method~~ storage medium of claim 25, wherein the program instructions are further for monitoring the status of the accessed information on the website.

34. (Currently Amended) The ~~computer-implemented method~~ storage medium of claim 33, wherein the program instructions are further for sending an alert upon detecting a change in the status of the accessed information.

35. (Currently Amended) The ~~computer-implemented method~~ storage medium of claim 33, wherein the program instructions are further for automatically inducing the program instructions for partitioning, querying and automatically extracting upon detecting a change in the status of the contents on the one or more websites.

36. (Currently Amended) A computer-implemented method for obtaining a collection of information from one or more websites, comprising:

accessing the one or more websites;

partitioning contents on the one or more websites into a model of logical structure;

executing a script embedded within the one or more websites such that information corresponding to the script can be parsed into the model of logical structure;

querying the model of logical structure for information of interest; ~~and~~

automatically extracting, independent of user intervention, the information of interest from the one or more websites; and

automatically storing, independent of user intervention, the extracted information of interest at ~~to~~ a target location.

37. (Original) The computer-implemented method of claim 36, further comprising standardizing the contents on the one or more websites into a standard format prior to the step of partitioning.

38. (Canceled)

39. (Currently Amended) The computer-implemented method of claim 36, further comprising posting data upon a website in response to the step of extracting the information ~~to a target location~~ of interest from the one or more websites.

40. (Original) The computer-implemented method of claim 36, further comprising monitoring the status of the contents on the one or more websites.

41. (Original) The computer-implemented method of claim 40, further comprising sending an alert upon detecting a change in the status of the contents on the one or more websites.

42. (Currently Amended) The computer-implemented method of claim 40, further comprising performing the steps of partitioning, querying, ~~and automatically extracting, and automatically storing~~ upon detecting a change in the status of the contents on the one or more websites.

43. (New) The storage medium of claim 1, wherein the coding directives of the first program component are utilizable by a developer to write program instructions that are executable by a processor for filling out forms within the one or more websites to further navigate through the one or more websites.

44. (New) The storage medium of claim 1, wherein the coding directives of the first program component are utilizable by a developer to write program instructions that are executable by a processor for selecting links within the one or more websites to further navigate through the one or more websites.